

CLAIMS

1. An alkaline battery comprising:

an electrode assembly comprising a positive electrode including manganese dioxide and nickel oxyhydroxide as positive electrode active materials, a negative electrode including zinc or a zinc alloy as a negative electrode active material, and a separator interposed between said positive electrode and said negative electrode;

a negative electrode current collector inserted in said negative electrode;

an electrolyte comprising an alkaline aqueous solution contained in said electrode assembly;

a battery can for accommodating said electrode assembly, said negative electrode current collector, and said electrolyte; and

a sealing member for sealing an opening of said battery can,

wherein the ratio of the electrical capacity of said negative electrode to the electrical capacity of said positive electrode is 1.00 to 1.15, and

the volume obtained by subtracting the volume of the electrode assembly containing the electrolyte and the volume of the negative electrode current collector from the internal volume of the battery that is formed by the battery can and the sealing member constitutes 5 to 15 % of said internal

volume.

2. The alkaline battery in accordance with claim 1, wherein the weight ratio between said manganese dioxide and said nickel oxyhydroxide is 20-90:80-10.

3. The alkaline battery in accordance with claim 1, wherein the weight ratio between said manganese dioxide and said nickel oxyhydroxide is 40-60:60-40.